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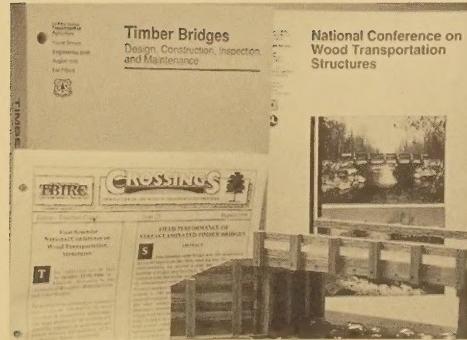
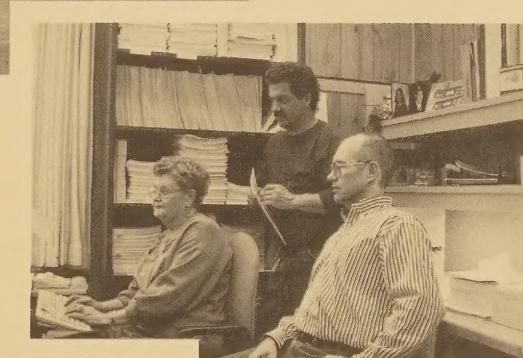
National Wood In
Transportation
Information Center

Morgantown, WV

NA-GR-01-97

Wood In Transportation Publications List

A Guide to the Publications Available from
the National Wood In Transportation
Information Center – The Nation's
Clearinghouse for Information about
Wood In Transportation Applications



United States
Department of
Agriculture



If

at:

National Agricultural Library

100 Carfield Street
Morgantown, WV 26505
Telephone: 304/285-1591
FAX: 304/285-1564

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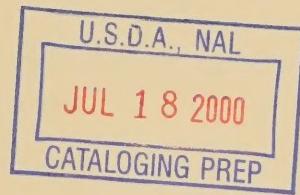
Visit our Website at:
<http://www.fs.fed.us/nal/wit>

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Wood In Transportation Publications List

National Wood In Transportation
Information Center

Morgantown, WV



Revised October 1999

Third Edition

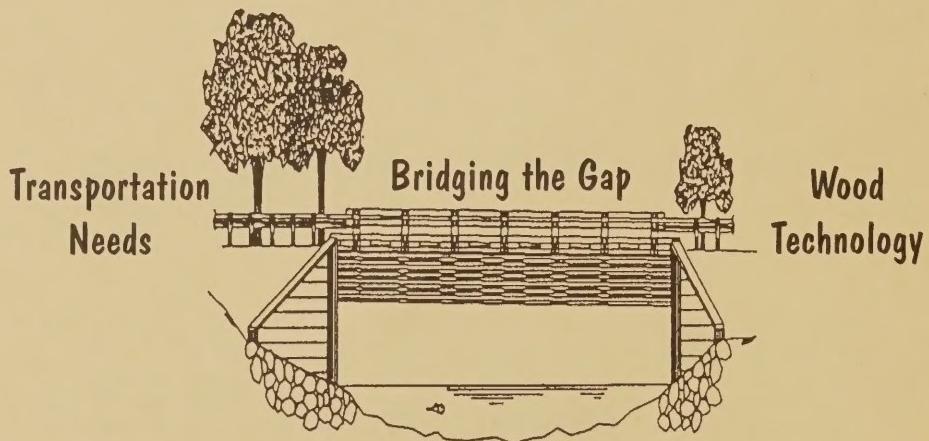


USDA Forest Service

Administered by
Northeastern Area
State & Private Forestry



The Wood In Transportation Program



The Goal of WIT ...

- Forest stewardship
- Economic vitality
- Revitalization

... through a variety of transportation applications.

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Introduction

The purpose of The Wood In Transportation Program is to improve the Nation's transportation infrastructure by using one of our most renewable resources, wood, for the construction of transportation structures such as:

- bridges
 - vehicular
 - portable
 - pedestrian and trail
- railway structures
- retaining walls
- box culverts
- sound barriers
- highway signs
- marine structures

The backbone of The Wood In Transportation (WIT) Program is technology transfer. Technical information on building vehicular and pedestrian bridges, portable bridges for temporary access, railway structures, and other transportation structures with timber has to be readily available and easy to understand.

The WIT Program's technology transfer activities are coordinated by the National Wood In Transportation Information Center (NWITIC) in Morgantown, West Virginia. The Center plays a vital role in fostering information sharing with highway officials, community leaders, and others across the Nation.

In its role as the Nation's clearinghouse for Wood In Transportation information, NWITIC has developed this publication list to inform interested individuals about the publications available from the Center. It includes a section labeled "*Additional Sources of Information*" which provides addresses and telephone numbers that may be used to obtain documents that cannot be issued by NWITIC. This listing will be updated on an as needed basis. New publications will be listed in the WIT Program's quarterly newsletter, *Crossings*.

You may request publications from this listing by marking your selections on the attached Publications Request Form. Please place an X in the box next to the code number of the publications you would like to receive. Fill out the name and address portion of the mailer as clearly as possible, and fold the request form in half. Tape the folded form shut so the NWITIC address is visible and return it to us. Postage is required. We will respond to your request as quickly as possible.

Edward T. Cesa
Program Coordinator
The Wood In Transportation Program

Section 01 — Wood In Transportation Program Information

Library ID: 01-0001

Title: Wood In Transportation Program Annual Status Report

Author: National Wood In Transportation Information Center (NWITIC) and Information Services (InS)
Publisher: USDA Forest Service, Northeastern Area, State and Private Forestry (NA-S&PF)
Year Published: 1999 Number of Pages: 13

Library ID: 01-0002

Title: Wood In Transportation Program Brochure

Author: NWITIC and InS
Publisher: USDA Forest Service, NA-S&PF
Year Published: 1999 Number of Pages: 2

Library ID: 01-0003

Title: Wood In Transportation Program Fact Sheet

Author: NWITIC and InS
Publisher: USDA Forest Service, NA-S&PF
Year Published: 1999 Number of Pages: 2

Library ID: 01-0004

Title: Crossings Newsletter of The Wood In Transportation Program

Author: NWITIC and InS
Publisher: USDA Forest Service, NA-S&PF
Year Published: Quarterly Number of Pages: 12

Library ID: 01-0005

Title: Wood In Transportation Project Application

Author: NWITIC
Publisher: USDA Forest Service, NA-S&PF
Year Published: 1999 Number of Pages: 27

Library ID: 01-0006

Title: National Timber Bridge Student Design Competition Information

Author: SW Mississippi Resource Conservation and Development (RC&D), Inc.
Publisher: SW Mississippi RC&D, Inc.
Year Published: 1997 Number of Pages: 2

Library ID: 01-0007

Title: Award Winning Timber Bridges, Summer 1995

Author: American Forest and Paper Association (AF&PA)
Publisher: AF&PA
Year Published: 1995 Number of Pages: 8

Section 01 — Wood In Transportation Program Information *cont.*

Library ID: 01-0010

Title: **Modern Timber Bridges of West Virginia: Volume 1**

Author: Barry Dickson, Constructed Facilities Center, (CFC) West Virginia University (WVU)
Publisher: CFC, WVU
Year Published: 1995 Number of Pages: 53

Library ID: 01-0011

Title: **Modern Timber Bridges in West Virginia: Volume 2**

Author: Barry Dickson, CFC, WVU
Publisher: CFC, WVU
Year Published: 1995 Number of Pages: 82

Library ID: 01-0012

Title: **Hoblitt-Bass Timber Bridge Project, Ravalli County, Montana**

Author: NWITIC and InS
Publisher: USDA Forest Service, NA-S&PF
Year Published: 1995 Number of Pages: 30

Library ID: 01-0017

Title: **Wood In Transportation Publications List**

Author: NWITIC and InS
Publisher: USDA Forest Service, NA-S&PF
Year Published: 1999 Number of Pages: 25

Library ID: 01-0018

Title: **Wood In Transportation Program - Special Projects, Fiscal Years 1989 through 1997**

Author: NWITIC and InS
Publisher: USDA Forest Service, NA-S&PF
Year Published: 1998 Number of Pages: 87

Library ID: 01-0019

Title: **Proceedings of the National Conference on Wood Transportation Structures**

Author: Forest Products Laboratory (FPL)
Publisher: USDA Forest Service, FPL
Year Published: 1996 Number of Pages: 494

Library ID: 01-0020

Title: **The Federal Highway Administration's Highway Timber Bridge Research and Demonstration Program, Status Report 1996**

Author: USDOT FHwA
Publisher: USDOT FHwA
Year Published: 1996 Number of Pages: 15

Section 01 — Wood In Transportation Program Information cont.

Library ID: 01-0021

Title: **Wood In Transportation Plan of Work: Fiscal Year 1998**

Author: NWITIC

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1998 Number of Pages: 24

Library ID: 01-0022

Title: **Wood In Transportation Fact Sheet, Stress-Laminated Modern Timber Bridges**

Author: NWITIC

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1996 Number of Pages: 2

Library ID: 01-0024

Title: **National Wood In Transportation Information Center's Annual Technology Transfer Report**

Author: NWITIC

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1997 Number of Pages: 4

Library ID: 01-0026

Title: **Salt Storage Facility, Cedar County, IA: Special Project Fiscal Year 1995**

Author: Kasey Russell

Publisher: NWITIC

Year Published: 1998 Number of Pages: 5

Library ID: 01-0027

Title: **Wood In Transportation Program Website Brochure**

Author: NWITIC

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1999 Number of Pages: 2

Abstract: WIT Website Brochure provides an overview of the features available over the Internet. These features include information about WIT Publications, WIT Grants, WIT Events, WIT Links, and WIT Program Coordinators. The Brochure also briefly describes the USDA Forest Products Laboratory's Wood In Transportation Website.

Section 02 — Design and Bridge Plans

Library ID: 02-0001

Title: **Timber Bridges: Design, Construction, Inspection and Maintenance**

Author: Michael A. Ritter
Publisher: USDA Forest Service, FPL
Year Published: 1992 Number of Pages: 950

Library ID: 02-0002

Title: **Standard Plans for Southern Pine Bridges**

Author: Paula D. Hilbrich Lee, Michael A. Ritter, Michael Triche
Publisher: USDA Forest Service, FPL
Year Published: 1995 Number of Pages: 26

Library ID: 02-0003

Title: **Plans for Crash-Tested Bridge Railings for Longitudinal Wood Decks**

Author: Michael A. Ritter, Ronald K. Faller, Paula D. Hilbrich Lee, Barry T. Rosson, Sheila Rimal Duwadi
Publisher: USDA Forest Service, FPL
Year Published: 1995 Number of Pages: 27

Library ID: 02-0004

Title: **Design, Construction, and Quality Control Guidelines for Stress-Laminated Timber Bridge Decks**

Author: J. F. Davalos, S. H. Petro
Publisher: USDOT FHWA
Year Published: 1993 Number of Pages: 58

Library ID: 02-0005

Title: **Materials for and Design of Hardwood Glulam Bridges**

Author: Harvey B. Manbeck, Keith Shaffer
Publisher: USDA Forest Service, NA-S&PF
Year Published: 1994 Number of Pages: 57

Library ID: 02-0006

Title: **Engineered Composite Bridge Plans**

Author: Trus Joist MacMillan
Publisher: Trus Joist MacMillan
Year Published: 1995 Number of Pages: 6

Library ID: 02-0008

Title: **Using Lightweight Metal Plate Connector Wood Trusses in Bridges**

Author: H. Dagher, V. Caccese, F. Altomore, Y. Hsu, R. Wolfe, M. Ritter
Publisher: American Society of Civil Engineers
Year Published: 1995 Number of Pages: 4

Section 02 — Design and Bridge Plans *cont.*

Library ID: 02-0009

Title: **Vermont/New Hampshire Timber Retaining Wall Design Package**

Author: North Country RC&D

Publisher: North Country RC&D

Year Published: 1994 Number of Pages: 7

Library ID: 02-0010

Title: **Field Performance of Timber Bridges: 2. Cooper Creek Stress-Laminated Deck Bridge, Design, Construction and Evaluation of Timber Bridge Constructed of Cottonwood Lumber**

Author: Michael A. Ritter, James P. Wacker, Everett P. Tice

Publisher: USDA Forest Service, FPL

Year Published: 1995 Number of Pages: 30

Library ID: 02-0011

Title: **Portable Glulam Timber Bridge Design for Low-Volume Forest Roads**

Author: S. E. Taylor, K. P. Kelher, J. D. Thompson, M.A. Ritter, G. L. Murphy

Publisher: National Academy Press

Year Published: 1995 Number of Pages: 12

Library ID: 02-0012

Title: **Timber Box Culverts - Plans, Timber Substructures for Bridge Applications**

Author: J. F. Davalo, S. H. Petro

Publisher: USDOT FHwA

Year Published: 1994 Number of Pages: 111

Library ID: 02-0013

Title: **Smith Rapids Covered Bridge Plan, Chequamegon National Forest, Price County, WI**

Author: Art Johnson

Publisher: USDA Forest Service, National Forest System (NFS)

Year Published: 1990 Number of Pages: 8

Library ID: 02-0017

Title: **Design, Fabrication, Testing, and Installation of a Press-Lam Bridge**

Author: J. A. Youngquist, D. S. Gromala, R. W. Jokerst, R. C. Moody, J. L. Tschernitz

Publisher: USDA Forest Service, FPL

Year Published: 1979 Number of Pages: 18

Library ID: 02-0018

Title: **Designing Timber Bridges for Long Life**

Author: Frank W. Muchmore

Publisher: USDA Forest Service, NFS

Year Published: 1986 Number of Pages: 15

Section 02 — Design and Bridge Plans *cont.*

Library ID: 02-0019

Title: Development and Use of Stress-Laminated Timber Deck Bridges

Author: Michael G. Olive, Al G. Dimakis, Michael A. Ritter
Publisher: American Society of Civil Engineers
Year Published: 1987 Number of Pages: 7

Library ID: 02-0020

Title: Stress-Laminated Timber Deck Bridges: Prototype Project 1988

Author: Michael G. Oliva; Michael Ritter; Al G. Dimakis
Publisher: Forest Products Research Society
Year Published: 1988 Number of Pages: 6

Library ID: 02-0021

Title: Performance Level 1 Bridge Railings for Timber Decks

Author: Ronald K. Faller; Michael A. Ritter; James C. Holloway; Brian G. Pfeifer; Barry T. Rosson
Publisher: USDA Forest Service, FPL
Year Published: 1992 Number of Pages: 36

Library ID: 02-0023

Title: Wood Design Focus: Stress-Laminated Timber Bridges, Vol. 6, No. 2, Summer 1995

Author: Stephen Smulski
Publisher: Forest Products Society
Year Published: 1995 Number of Pages: 24

Library ID: 02-0025

Title: Procedure for Design of Glued-Laminated Orthotropic Bridge Decks

Author: William J. McCutcheon, Roger L Tuomi
Publisher: USDA Forest Service, FPL
Year Published: 1973 Number of Pages: 42

Library ID: 02-0026

Title: Simplified Design Procedure for Glued-Laminated Bridge Decks

Author: W.J. McCutcheon, R.L. Tuomi
Publisher: USDA Forest Service, FPL
Year Published: 1974 Number of Pages: 8

Library ID: 02-0027

Title: Wood Highway Noise Barrier Specifications

Author: National Forest Products Association (NFPA) Staff
Publisher: NFPA
Year Published: 1981 Number of Pages: 6

Section 02 — Design and Bridge Plans *cont.*

Library ID: 02-0028

Title: **Erection Procedure for Glued-Laminated Timber Bridge Decks with Dowel Connectors**
Author: Roger L. Tuomi
Publisher: USDA Forest Service, FPL
Year Published: 1976 **Number of Pages:** 15

Library ID: 02-0029

Title: **Design Procedure for Glued-Laminated Bridge Decks**
Author: Roger L. Tuomi, William J. McCutcheon
Publisher: USDA Forest Service, FPL
Year Published: 1972 **Number of Pages:** 8

Library ID: 02-0032

Title: **Innovations in Glulam Timber Bridge Design**
Author: Michael A. Ritter , Thomas G. Williamson, Russell C. Moody
Publisher: American Society of Civil Engineers
Year Published: 1994 **Number of Pages:** 6

Library ID: 02-0033

Title: **LRFD Provisions for Wood Bridges**
Author: Michael A. Ritter, Andrzej S. Nowak
Publisher: American Society of Civil Engineers
Year Published: 1994 **Number of Pages:** 6

Library ID: 02-0035

Title: **Design and Evaluation of Two Bridge Railings for Low-Volume Roads**
Author: Ronald K. Faller, Barry T. Rosson, Dean L. Sicking, Michael A. Ritter, Steve Bunnell
Publisher: National Academy Press
Year Published: 1995 **Number of Pages:** 16

Library ID: 02-0036

Title: **Load and Resistance Factor Design Code for Wood Bridges**
Author: Andrzej S. Nowak, Michael A. Ritter
Publisher: National Academy Press
Year Published: 1995 **Number of Pages:** 7

Library ID: 02-0037

Title: **State of the Art Report: Glulam Timber Bridge Design in the U.S.**
Author: M.A. Ritter, T.G. Williamson
Publisher: Universitat Karlsruhe
Year Published: 1995 **Number of Pages:** 11

Section 02 — Design and Bridge Plans *cont.*

Library ID: 02-0038

Title: **Portable Timber Bridges: An Eco-friendly Solution for Stream Crossings**

Author: Kasey Russell
Publisher: USDA Forest Service, NA-S&PF
Year Published: 1997 Number of Pages: 8

Library ID: 02-0039

Title: **Recommended Construction Practices for Stress-Laminated Wood Bridge Decks**

Author: Michael A. Ritter, Paula D. Hilbrich Lee
Publisher: USDA Forest Service, FPL
Year Published: 1997 Number of Pages: 8

Library ID: 02-0040

Title: **LRFD for Engineered Wood Structures-Connection Behavioral Equations**

Author: Thomas E. McLain, Lawrence A. Soltis, David G. Pollock, Jr., Thomas L. Wilkinson
Publisher: American Society of Civil Engineers, Journal of Structural Engineering
Year Published: 1993 Number of Pages: 15

Library ID: 02-0041

Title: **Shear Strength of Unchecked Glued-Laminated Beams**

Author: Lawrence A. Soltis, Douglas R. Rammer
Publisher: Forest Products Society
Year Published: 1994 Number of Pages: 7

Library ID: 02-0042

Title: **Skidder Bridge Fact Sheet**

Author: David B. Kittredge, Jr., Claiborne Woodall, Anne Marie Kittredge
Publisher: University of Massachusetts Extension Service
Year Published: 1997 Number of Pages: 1

Library ID: 02-0043

Title: **Log Stringer Trail Bridge Design Aid**

Author: USDA Forest Service, Region 1 Engineering Staff
Publisher: USDA Forest Service, Region 1
Year Published: 1997 Number of Pages: 1

Library ID: 02-0044

Title: **Open Web Joist Trail Bridge Design Aid**

Author: USDA Forest Service, Region 1 Engineering Staff
Publisher: USDA Forest Service, Region 1
Year Published: 1997 Number of Pages: 1

Section 02 — Design and Bridge Plans *cont.*

Library ID: 02-0045

Title: **Glued Laminated-Nail Laminated Slab Trail Bridge Design Aid**

Author: USDA Forest Service, Region 1 Engineering Staff

Publisher: USDA Forest Service, Region 1

Year Published: 1997 Number of Pages: 1

Library ID: 02-0046

Title: **Plans for Crash-Tested Wood Bridge Railings for Concrete Decks**

Author: Michael A. Ritter, Ronald K. Faller, Paula D. Hilbrich Lee, Barry T. Rosson, Sheila Rimal Duwadi

Publisher: USDA Forest Service, FPL

Year Published: 1999 Number of Pages: 17

Library ID: 02-0047

Title: **Plans for Crash-Tested Bridge Railings for Longitudinal Wood Decks on Low-Volume Roads**

Author: Michael A. Ritter, Ronald K. Faller, Steve Bunnell, Paula D. Hilbrich Lee, Barry T. Rosson

Publisher: USDA Forest Service, FPL

Year Published: 1999 Number of Pages: 11

Library ID: 02-0048

Title: **Design and Construction of the Pochuck Quagmire Bridge - A Suspension Timber Bridge**

Author: Tibor Latincsics

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1999 Number of Pages: 130

Section 03 — Inspection

Library ID: 03-0001

Title: Nondestructive Testing for Assessing Wood Members in Structures: A Review

Author: Robert J. Ross, Roy F. Pellerin
Publisher: USDA Forest Service, FPL
Year Published: 1994 Number of Pages: 39

Library ID: 03-0002

Title: Determining In-Situ Timber Pile Length Using Stress Waves

Author: Engineering Data Management, Inc.
Publisher: USDA Forest Service, NA-S&PF
Year Published: 1992 Number of Pages: 18

Library ID: 03-0003

Title: Wood Bridges - Decay Inspection and Control

Author: Wallace E. Eslyn, Joe W. Clark
Publisher: USDA Forest Service, FPL
Year Published: 1979 Number of Pages: 35

Library ID: 03-0005

Title: Evaluation of Timber Bridges Using Stress Wave Technology

Author: R. Pellerin, R. Ross, R. Falk, N. Volny
Publisher: Pacific Timber Engineering Conference
Year Published: 1994 Number of Pages: 8

Library ID: 03-0007

Title: Inspection of Timber Bridges Using Stress Wave Timing Nondestructive Evaluation Tools

Author: Robert J. Ross, Roy F. Pellerin, Norbert Volny, William W. Salsig, Robert H. Falk
Publisher: USDA Forest Service, FPL
Year Published: 1999 Number of Pages: 15

Section 04 — Maintenance and Rehabilitation

Library ID: 04-0002

Title: **Performance and Rehabilitation of Timber Bridges**

Author: William J. McCutcheon, Richard M. Gutkowski, Russell C. Moody
Publisher: Transportation Research Board
Year Published: 1986 Number of Pages: 3

Library ID: 04-0003

Title: **Techniques to Bring New Life to Timber Bridges**

Author: Frank W. Muchmore
Publisher: USDA Forest Service, NFS
Year Published: 1985 Number of Pages: 17

Library ID: 04-0005

Title: **Maintenance Practices for Wood Bridges**

Author: Michael A. Ritter, Thomas G. Williamson
Publisher: American Society of Civil Engineers
Year Published: 1995 Number of Pages: 6

Section 05 — Preservative Treatment

Library ID: 05-0001

Title: **Selection and Use of Preservative Treated Wood in Forest Service Recreational Structures**

Author: Stan T. LeBow, William J. Makel
Publisher: USDA Forest Service, FPL
Year Published: 1995 Number of Pages: 12

Library ID: 05-0002

Title: **AWPI Consumers Guide to the Proper Use of Treated Wood**

Author: American Wood Preservers Institute (AWPI)
Publisher: AWPI
Year Published: unkn Number of Pages: 8

Library ID: 05-0005

Title: **Preservative Treatment of Hardwoods: A Review**

Author: Warren S. Thompson, Peter Koch
Publisher: USDA Forest Service, FPL
Year Published: 1981 Number of Pages: 47

Library ID: 05-0007

Title: **Treated Wood Products, Their Effect on the Environment**

Author: D. A. Webb, L. R. Gjovik
Publisher: USDA Forest Service, FPL
Year Published: 1988 Number of Pages: 6

Section 05 — Preservative Treatment *cont.*

Library ID: 05-0009

Title: **A Report to the Wood-Preserving Industry in the United States**

Author: James T. Mickelwright
Publisher: American Wood Preservers Institute
Year Published: 1989 Number of Pages: 19

Library ID: 05-0010

Title: **Corrosion Protection of Steel Hardware Used in Modern Timber Bridges**

Author: J. F. Davalos, S. H. Petro
Publisher: USDOT FHWA
Year Published: 1993 Number of Pages: 50

Library ID: 05-0011

Title: **Wood Preservation In West Virginia - Appalachian Hardwood Center: Fact Sheet 9**

Author: Appalachian Hardwood Center (AHC), Division of Forestry, West Virginia University
Publisher: AHC
Year Published: 1992 Number of Pages: 8

Library ID: 05-0013

Title: **Leaching of Wood Preservative Components and Their Mobility in the Environment - Summary of Pertinent Literature**

Author: Stan LeBow
Publisher: USDA Forest Service, FPL
Year Published: 1996 Number of Pages: 36

Library ID: 05-0014

Title: **Preservative Treatment of Red Maple**

Author: William B. Smith, Nazri Abdullah, Douglas Herdman, Rodney C. DeGroot
Publisher: Forest Products Society
Year Published: 1996 Number of Pages: 7

Library ID: 05-0016

Title: **Working for Rural America; Wood Double-Diffusion Treatment Plant, Tyonek Native Corporation, Kenai Borough, Alaska**

Author: Kasey Russell, Ken Kilborn
Publisher: USDA Forest Service, NA-S&PF
Year Published: 1997 Number of Pages: 5

Section 06 — Monitoring and Performance

Library ID: 06-0001

Title: **Field Performance of Timber Bridges 1. Teal River Stress-Laminated Deck Bridge**

Author: James P. Wacker, Michael A. Ritter
Publisher: USDA Forest Service, FPL
Year Published: 1992 Number of Pages: 19

Library ID: 06-0002

Title: **Field Performance of Timber Bridges 2. Cooper Creek Stress-Laminated Deck Bridge**

Author: Michael A. Ritter, James P. Wacker, Everett D. Tice
Publisher: USDA Forest Service, FPL
Year Published: 1995 Number of Pages: 17

Library ID: 06-0003

Title: **Field Performance of Timber Bridges 3. Birchlog Run and Tumbling Rock Run Stress-Laminated Deck Bridge**

Author: James P. Wacker, Michael A. Ritter
Publisher: USDA Forest Service, FPL
Year Published: 1995 Number of Pages: 11

Library ID: 06-0004

Title: **Field Performance of Timber Bridges 4. Graves Crossing Stress-Laminated Deck Bridge**

Author: James P. Wacker, Michael A. Ritter
Publisher: USDA Forest Service, FPL
Year Published: 1995 Number of Pages: 17

Library ID: 06-0005

Title: **Field Performance of Timber Bridges 5. Little Salmon Creek Stress-Laminated Deck Bridge**

Author: Michael A. Ritter, James A. Kainz, Gregory J. Porter
Publisher: USDA Forest Service, FPL
Year Published: 1996 Number of Pages: 15

Library ID: 06-0006

Title: **Field Performance of Timber Bridges 8. Lynches Woods Park Stress-Laminated Deck Bridge**

Author: James P. Wacker, Michael A. Ritter, Don Conger
Publisher: USDA Forest Service, FPL
Year Published: 1996 Number of Pages: 17

Section 06 — Monitoring and Performance *cont.*

Library ID: 06-0007

Title: **Field Monitoring of A Stressed Timber Bridge Over Elk Two-Mile Creek**

Author: Barry Dickson, Dr. Hota V. S. GangaRao
Publisher: 6th Annual International Bridge Conference
Year Published: 1989 Number of Pages: 7

Library ID: 06-0009

Title: **Comparative Performance of Timber Bridges**

Author: Richard M. Gutkowski, William J. McCutcheon
Publisher: Journal of Structural Engineering
Year Published: 1987 Number of Pages: 19

Library ID: 06-0011

Title: **The Mormon Creek Bridge - Performance After Three Years**

Author: William J. McCutcheon
Publisher: USDA Forest Service, NFS
Year Published: 1992 Number of Pages: 8

Library ID: 06-0013

Title: **Stress-Laminated Wood Bridge Decks - Experimental and Analytical Evaluations**

Author: Michael G. Oliva, Al G. Dimakis, Michael A. Ritter, Roger L. Tuomi
Publisher: USDA Forest Service, FPL
Year Published: 1990 Number of Pages: 19

Library ID: 06-0014

Title: **Field Performance of U.S. Stress-Laminated Wood Bridges**

Author: Michael A. Ritter, Michael G. Oliva
Publisher: Proceedings of the 1990 International Timber Bridge Engineering Conference
Year Published: 1990 Number of Pages: 6

Library ID: 06-0015

Title: **Methods for Assessing the Field Performance of Stress-Laminated Timber Bridges**

Author: Michael A. Ritter, Earl A. Geske, William J. McCutcheon, Russell C. Moody, James P. Wacker, Lola E. Mason
Publisher: 1991 International Timber Engineering Conference, London, UK
Year Published: 1991 Number of Pages: 8

Library ID: 06-0016

Title: **Load Distribution in Glued-Laminated Longitudinal Timber Deck Highway Bridges**

Author: W. W. Sanders, Jr., F. W. Klaiber, T. J. Wipf
Publisher: American Institute of Timber Construction
Year Published: 1985 Number of Pages: 47

Section 06 — Monitoring and Performance *cont.*

Library ID: 06-0021

Title: **Field Performance of Stress-Laminated Timber Bridges on Low-Volume Roads**

Author: Michael A. Ritter, James P. Wacker, Sheila Rimal Duwadi
Publisher: National Academy Press
Year Published: 1995 Number of Pages: 10

Library ID: 06-0022

Title: **New Technology, Local Labor, Local Material: Timber Bridge Demonstration Project; The North Road Bridge**

Author: Eileen D. Young
Publisher: Cooperative Extension, University of Rhode Island
Year Published: 1995 Number of Pages: 12

Library ID: 06-0023

Title: **Performance of Steel, Concrete, Prestressed Concrete, and Timber Bridges**

Author: Kim Stanfill-McMillan, Cherilyn A. Hatfield
Publisher: The Canadian Society for Civil Engineering
Year Published: 1994 Number of Pages: 14

Library ID: 06-0024

Title: **Behavior of Stress-Laminated Parallel-Chord Timber Bridge Decks: Experimental and Analytical Studies**

Author: Al G. Dimakis, Michael G. Oliva, Michael A. Ritter
Publisher: USDA Forest Service, FPL
Year Published: 1992 Number of Pages: 19

Library ID: 06-0025

Title: **Dynamic Response of Stress-Laminated Deck Bridges**

Author: M. A. Ritter, D. L. Wood, T. J. Wipf, Chintaka Wijesooriya, S. R. Duwadi
Publisher: National Academy Press
Year Published: 1995 Number of Pages: 14

Library ID: 06-0026

Title: **Design and Field Performance of a Metal-Plate-Connected Wood Truss Bridge**

Author: Michael H. Triche, Michael A. Ritter, Stuart L. Lewis, Ronald W. Wolfe
Publisher: American Society of Civil Engineers
Year Published: 1994 Number of Pages: 6

Library ID: 06-0027

Title: **Factors Influencing Timber Bridge Performance**

Author: Kim Stanfill-McMillan, James A. Kainz
Publisher: American Society of Civil Engineers
Year Published: 1995 Number of Pages: 4

Section 06 — Monitoring and Performance *cont.*

Library ID: 06-0028

Title: **Field Performance of Timber Bridges 6. Hoffman Run Stress-Laminated Deck Bridge**

Author: Michael A. Ritter, Paula D. Hilbrich Lee, Gregory J. Porter
Publisher: USDA Forest Service, FPL
Year Published: 1996 Number of Pages: 16

Library ID: 06-0029

Title: **Field Performance of Timber Bridges 10. Sanborn Brook Stress-Laminated Deck Bridge**

Author: Paula D. Hillbrich-Lee, Michael A. Ritter, James P. Wacker
Publisher: USDA Forest Service, FPL
Year Published: 1996 Number of Pages: 19

Library ID: 06-0030

Title: **Field Performance of Timber Bridges 9. Big Erick's Stress-Laminated Deck Bridge**

Author: James A. Kainz, James P. Wacker, Martin Nelson
Publisher: USDA Forest Service, FPL
Year Published: 1996 Number of Pages: 24

Library ID: 06-0031

Title: **Field Performance of Timber Bridges 11. Spearfish Creek Stress-Laminated Box-Beam Bridge**

Author: James P. Wacker, Michael A. Ritter, Kim Stanfill-McMillan, Nikki T. Brown, Jonathon R. Becker
Publisher: USDA Forest Service, FPL
Year Published: 1997 Number of Pages: 17

Library ID: 06-0032

Title: **Field Performance of Timber Bridges 13. Mohawk Canal Stress-Laminated Bridge**

Author: Paula D. Hillbrich Lee, Xanthi Lauderdale
Publisher: USDA Forest Service, FPL
Year Published: 1997 Number of Pages: 18

Library ID: 06-0033

Title: **Field Performance of Timber Bridges 14. Dean, Hibbsville, and Decatur Stress-Laminated Deck Bridges**

Author: Paula D. Hilbrich Lee, Michael A. Ritter, Steve Golston, Keith Hinds
Publisher: USDA Forest Service, FPL
Year Published: 1997 Number of Pages: 21

Section 06 — Monitoring and Performance *cont.*

Library ID: 06-0034

Title: **Field Performance of Timber Bridges 12. Christian Hollow Stress-Laminated Box-Beam Bridge**

Author: James P. Wacker, Stephen C. Catherman, Richard G. Winnett

Publisher: USDA Forest Service, FPL

Year Published: 1998 Number of Pages: 17

Library ID: 06-0035

Title: **Field Performance of Timber Bridges 15. Pueblo County, Colorado, Stress-Laminated Deck Bridge**

Author: Lola E. Hislop

Publisher: USDA Forest Service, FPL

Year Published: 1998 Number of Pages: 19

Library ID: 06-0036

Title: **Field Performance of Timber Bridges 16. North Siwell Road Stress-Laminated Bridge**

Author: James A. Kainz

Publisher: USDA Forest Service, FPL

Year Published: 1998 Number of Pages: 17

Library ID: 06-0037

Title: **Field Performance of Timber Bridges 17. Ciphers Stress-Laminated Deck Bridge**

Author: James P. Wacker, James A. Kainz, Michael A. Ritter

Publisher: USDA Forest Service, FPL

Year Published: 1998 Number of Pages: 16

Section 07 — Materials

Library ID: 07-0001

Title: **Evaluation of Yellow-Poplar Glued-Laminated Timber Beams**

Author: Roland Hernandez, Somnath Sharma Sonti, Russell C. Moody

Publisher: American Society of Agricultural Engineers

Year Published: 1992 Number of Pages: 11

Library ID: 07-0002

Title: **Performance of Red Maple Glulam Timber Beams**

Author: Harvey B. Manbeck, John J. Janowiak, Paul R. Blankenhorn, Peter Labosky, Russell C. Moody, Roland Hernandez

Publisher: USDA Forest Service, FPL

Year Published: 1993 Number of Pages: 30

Library ID: 07-0003

Title: **Applications of Wood Materials for Innovative Bridge Systems**

Author: Russell C. Moody, Michael A. Ritter, Hota GangaRao

Publisher: American Society of Civil Engineers

Year Published: 1990 Number of Pages: 10

Library ID: 07-0004

Title: **Yield of 2 by 4 Red Oak Stress-graded Dimension Lumber from Factory-grade Logs**

Author: Kent A. McDonald, James W. Whipple

Publisher: Forest Products Research Society

Year Published: 1992 Number of Pages: 6

Library ID: 07-0005

Title: **Investigation of the Mechanical Properties of Red Oak 2 By 4's**

Author: David W. Green, Kent A. McDonald

Publisher: USDA Forest Service, FPL

Year Published: 1993 Number of Pages: 11

Library ID: 07-0006

Title: **Stress Class Systems: An Idea Whose Time Has Come?**

Author: David W. Green, David E. Kretschmann

Publisher: USDA Forest Service, FPL

Year Published: 1990 Number of Pages: 22

Library ID: 07-0007

Title: **Behavior of Metal-plate Connected Joints in Creosote Treated Wood: A Pilot Study**

Author: M. G. Oliva, L. Krahn, M. McCarthy, M. Ritter

Publisher: Forest Products Research Society

Year Published: 1988 Number of Pages: 5

Section 07 — Materials *cont.*

Library ID: 07-0011

Title: **Experimental Shear Strength of Glued-Laminated Beams**

Author: Douglas R. Rammer, Lawrence A. Soltis

Publisher: USDA Forest Service, FPL

Year Published: 1994 Number of Pages: 38

Library ID: 07-0012

Title: **Production of Hardwood Machine Stress Rated Lumber**

Author: David W. Green, Robert J. Ross, and Kent A. McDonald

Publisher: Forest Products Society

Year Published: 1994 Number of Pages: 10

Library ID: 07-0013

Title: **Yellow Poplar Glulam Timber Beam Performance**

Author: Russell C. Moody, Roland Hernandez, Julio F. Davalos, Somnath Sharma Sonti

Publisher: USDA Forest Service, FPL

Year Published: 1993 Number of Pages: 28

Library ID: 07-0014

Title: **Mechanical Properties of Red Maple Structural Lumber**

Author: David W. Green, Kent A. McDonald

Publisher: USDA Forest Service, FPL

Year Published: 1993 Number of Pages: 15

Library ID: 07-0015

Title: **Hardwood Structural Lumber From Log Heart Cants**

Author: Kent A. McDonald, Curt C. Hassler, Jack E. Hawkins, Timothy L. Phal

Publisher: Forest Products Society

Year Published: 1996 Number of Pages: 8

Library ID: 07-0016

Title: **Fiber Stress Values for Design of Glulam Timber Utility Structures**

Author: Roland Hernandez, Russell C. Moody, Robert H. Falk

Publisher: USDA Forest Service, FPL

Year Published: 1995 Number of Pages: 25

Library ID: 07-0017

Title: **Western Hardwoods, Value-Added Research and Demonstration Program**

Author: David Green, William von Segen, Susan Willits

Publisher: USDA Forest Service, FPL

Year Published: 1995 Number of Pages: 43

Section 07 — Materials *cont.*

Library ID: 07-0018

Title: **Probabilistic Modeling of Yellow-poplar Glued-laminated Timber**

Author: Roland Hernandez
Publisher: American Society of Agricultural Engineers
Year Published: 1993 Number of Pages: 11

Library ID: 07-0019

Title: **Red Maple Stress-graded 2 by 4 Dimension Lumber from Factory-grade Logs**

Author: Kent A. McDonald, David W. Green, Jack Dwyer, James W. Whipple
Publisher: Forest Products Society
Year Published: 1993 Number of Pages: 6

Library ID: 07-0020

Title: **Guidelines for Producing Hardwood Structural Lumber for Glulam Production**

Author: John Janowiak, Jeff Kimmel
Publisher: USDA Forest Service, NA-S&PF
Year Published: 1999 Number of Pages: 6

Section 08 — Contacts

Library ID: 08-0001

Title: **Wood In Transportation: Timber Bridge Information Contacts Report of Project Funded Bridges 1989-1995**

Author: NWITIC
Publisher: USDA Forest Service, NA-S&PF
Year Published: 1996 Number of Pages: 11

Library ID: 08-0002

Title: **American Institute of Timber Construction: Membership List**

Author: AITC
Publisher: AITC
Year Published: 1994 Number of Pages: 1

Library ID: 08-0003

Title: **Contacts Information for Glulaminated Timber Bridges**

Author: NWITIC
Publisher: USDA Forest Service, NA-S&PF
Year Published: 1996 Number of Pages: 1

Library ID: 08-0004

Title: **Contacts Information for Pedestrian and Trail Bridges**

Author: NWITIC
Publisher: USDA Forest Service, NA-S&PF
Year Published: 1996 Number of Pages: 1

Section 09 — Markets

Library ID: 09-0001

Title: **The Potential of Producing Prefabricated, Modern Timber Bridge Components in Mississippi**

Author: T. Amburgey, L. Breazeale, R. Daniels, P.C. McLaurin, Jr., S. Murray, L. Reinschmiedt, R. Sinno, P.H. Short, D. Trammell, Jr.

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1994 Number of Pages: 56

Library ID: 09-0002

Title: **Factors Influencing the Adoption of Timber Bridges: The Role of New Technology Adoption in the Timber Bridge Market**

Author: Robert L. Smith, Robert J. Bush

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1995 Number of Pages: 41

Library ID: 09-0003

Title: **A Perceptual Investigation into the Adoption of Timber Bridges: The Role of New Technology Adoption in the Timber Bridge Market**

Author: Robert L. Smith, Robert J. Bush

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1995 Number of Pages: 21

Library ID: 09-0004

Title: **A Hierarchical Analysis of Bridge Decision Makers: The Role of New Technology Adoption in the Timber Bridge Market**

Author: Robert L. Smith, Robert J. Bush

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1995 Number of Pages: 22

Library ID: 09-0005

Title: **Marketing Practices in the Timber Bridge Industry: 1993 The Role of New Technology Adoption in the Timber Bridge Market**

Author: Robert L. Smith, Robert J. Bush

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1995 Number of Pages: 16

Library ID: 09-0006

Title: **A Strategic Evaluation of Factors Affecting the Adoption of Timber Bridges: The Role of New Technology Adoption in the Timber Bridge Market**

Author: Robert L. Smith, Robert J. Bush

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1995 Number of Pages: 22

Section 09 — Markets cont.

Library ID: 09-0007

Title: **Manufacturing and Marketing Opportunities for Modern Timber Bridges in Michigan**

Author: Jack Pilon, Dan Sikarskie, Roger Rasmussen, Russell Kidd
Publisher: MI DOT, MI RC&D, MI DNR - Forest Mang. Div., MI DNR - Land & Water Mang. Div., MI State Univ. Ext., USDA Forest Service, NA-S&PF
Year Published: 1995 Number of Pages: 17

Library ID: 09-0008

Title: **Timber Bridge Potential in the State of Wisconsin**

Author: Lumberjack RC&D, River Country RC&D, Golden Sands RC&D, Southwest Badger RC&D, Pri-Ru-Ta RC&D
Publisher: George Banzhaf and Company
Year Published: 1994 Number of Pages: 83

Library ID: 09-0009

Title: **Decision Maker Perceptions of Timber Bridges in the United States**

Author: Bob Smith and Robert J. Bush
Publisher: Center for Forest Products Marketing, VA Tech.
Year Published: 1994 Number of Pages: 4

Library ID: 09-0010

Title: **The Identification of Market Opportunities for Wood in the United States Transportation System, The Role of New Technology Adoption in the Timber Bridge Market: Special Project Fiscal Year 1994**

Author: Warren Spradlin, Robert L. Smith
Publisher: USDA Forest Service, NA-S&PF
Year Published: 1996 Number of Pages: 30

Section 10 — Cost Information

Library ID: 10-0001

Title: **Wood In Transportation - Superstructure Costs Report for Vehicular Timber Bridges 1989-1995**

Author: NWITIC
Publisher: USDA Forest Service, NA-S&PF
Year Published: 1996 Number of Pages: 5

Section 11 — General Information

Library ID: 11-0001

Title: **Development of a Six-Year Research Needs Assessment for Timber Transportation Structures**

Author: Terry J. Wipf, Michael A. Ritter, Sheila Rimal Duwadi, Russell C. Moody

Publisher: USDA Forest Service, FPL

Year Published: 1993 Number of Pages: 44

Library ID: 11-0002

Title: **Timber Bridges: Part of the Solution for Rural America**

Author: Robert Brungraber, Richard Gutkowski, William Kindya, and Ruth Mc Williams

Publisher: Transportation Research Board

Year Published: 1987 Number of Pages: 9

Library ID: 11-0003

Title: **New Ideas for Timber Bridges**

Author: Michael G. Oliva, Roger L. Tuomi, and A. G. Dimakis

Publisher: National Research Council

Year Published: 1986 Number of Pages: 6

Library ID: 11-0004

Title: **Current Timber Bridge Research and Development in the United States**

Author: Michael A. Ritter

Publisher: USDA Forest Service, FPL

Year Published: 1993 Number of Pages: 10

Library ID: 11-0008

Title: **User Friendly Guide to Timber Bridges**

Author: Chris Donnelly

Publisher: University of New Hampshire - Continuing Education

Year Published: 1996 Number of Pages: 56

Library ID: 11-0009

Title: **Technical Note 1: Publications Listing for Wood In Transportation**

Author: James Kainz

Publisher: USDA Forest Service, FPL

Year Published: 1995 Number of Pages: 6

Library ID: 11-0010

Title: **Research on Timber Bridges and Related Topics**

Author: Sheila Rimal Duwadi, Michael A. Ritter

Publisher: USDA Forest Service, FPL

Year Published: 1995 Number of Pages: 22

Section 11 — General Information *cont.*

Library ID: 11-0011

Title: **Timber Bridges - A Rebirth**

Author: Russ Moody

Publisher: Woodland Management

Year Published: 1994 Number of Pages: 3

Library ID: 11-0012

Title: **Wood Bridges in New England**

Author: Michael A. Ritter, Kim Stanfill-McMillan

Publisher: American Society of Civil Engineers

Year Published: 1995 Number of Pages: 4

Library ID: 11-0018

Title: **Rural Bridges: An Assessment Based Upon the National Bridge Inventory**

Author: Nicholas Marathon

Publisher: USDA Office of Transportation

Year Published: 1989 Number of Pages: 26

Library ID: 11-0019

Title: **Engineered Wood for Transportation Structures Workshop Record**

Author: WVU-CFC

Publisher: WVU-CFC

Year Published: 1994 Number of Pages: 70

Library ID: 11-0020

Title: **Research Accomplishments for Wood Transportation Structures Based on a National Research Need Assessment**

Author: Michael A. Ritter, Sheila Rimal Duwadi

Publisher: USDA Forest Service, FPL

Year Published: 1998 Number of Pages: 30

Library ID: 11-0021

Title: **Bridge Scour Evaluation: Screening, Analysis, and Countermeasures**

Author: John Kattell, Merv Eriksson

Publisher: USDA Forest Service, San Dimas Technology and Development Center

Year Published: 1998 Number of Pages: 20

Section 12 — Surfacing

Library ID: 12-0001

Title: **Surfacing Treated Decks with Bituminous Materials**

Author: Larry Bruesch, Adrian Pelzner

Publisher: USDA Forest Service, FPL

Year Published: 1976 Number of Pages: 3

Section 13 — Financial Information

Library ID: 13-0003

Title: **A Hypothetical Business and Financial Plan of the Production of Glulam Lumber for Timber Bridge Construction**

Author: Dwight R. McCurdy, John E. Phelps

Publisher: Department of Forestry, Southern Illinois University

Year Published: 1993 Number of Pages: 51

Section 14 — Crossings Newsletter

Crossings is the quarterly newsletter of the Wood In Transportation Program. You can view and download past issues of *Crossings* from our website at www.fs.fed.us/na/wit. If you would like to receive *Crossings* on a quarterly basis please check 01-0004.

Section 15 — Demonstration Project Factsheets

Library ID: 15-0001

Title: **Baileyville Demonstration Timber Bridge, Centre County, Pennsylvania**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1998 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration bridge design that consists of glued-laminated timber stringers and a transverse glued-laminated timber deck. Wood species is red oak. Preservative treatment is creosote.

Library ID: 15-0002

Title: **Brookston Road Demonstration Timber Bridge, Forest County, Pennsylvania**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1998 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The type is a stress-laminated sawn lumber/steel composite bridge. Wood species is red oak. Preservative treatment is creosote.

Library ID: 15-0003

Title: **County Timber Bridge #3, Green County, Pennsylvania**

Author: NWITIC and Partners

Publisher: UADS Forest Service, NA-S&PF

Year Published: 1998 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The design consists of steel stringers and a transverse glued-laminated deck. Wood species is red maple. Preservative treatment is creosote.

Section 15 — Demonstration Project Factsheets *cont.*

Library ID: 15-0004

Title: **Dutch Hill Road Timber Bridge, Crawford County, Pennsylvania**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1998 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The type is a stress-laminated sawn lumber bridge. Wood species is red maple. Preservative treatment is creosote.

Library ID: 15-0005

Title: **Millcross Road Timber Bridge, Lancaster County, Pennsylvania**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1998 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The type is a stress-laminated sawn lumber bridge. Wood species is Douglas-fir. Preservative treatment is creosote.

Library ID: 15-0006

Title: **Trough Creek State Park Timber Bridge, Huntingdon County, Pennsylvania**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1998 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The type is a glued-laminated arch and a transverse glued-laminated deck. Wood species are southern pine and red maple. Preservative treatment is

Library ID: 15-0007

Title: **County Bridge 134, Perry County, Indiana**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1998 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The type is a stress-laminated T bridge. Wood species are southern pine and red oak. Preservative treatment is creosote.

Library ID: 15-0008

Title: **Wolf Run Road Timber Bridge, Jefferson County, Indiana**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1998 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The type is a stress-laminated sawn lumber bridge. Wood species is red oak. Preservative treatment is creosote.

Section 15 — Demonstration Project Factsheets *cont.*

Library ID: 15-0009

Title: **Emily Lake Road Box Culvert, Houghton County, Michigan**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1998 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The type is a box culvert. Wood species is hemlock. Preservative treatment is chromated copper arsenate.

Library ID: 15-0010

Title: **Graves Crossing Timber Bridge, Antrim County, Michigan**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1998 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The type is a stress-laminated sawn lumber bridge. Wood species is red pine. Preservative treatment is chromated copper arsenate.

Library ID: 15-0011

Title: **Main Black Timber Bridge, Montmorency County, Michigan**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1998 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The type is a stress-laminated boxbeam bridge. Wood species southern pine and red pine. Preservative treatment is creosote.

Library ID: 15-0012

Title: **Old Vanderbilt Road Timber Bridge, Otsego County, Michigan**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1998 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The type is a stress-laminated sawn lumber bridge. Wood species is red pine. Preservative treatment is creosote.

Library ID: 15-0013

Title: **Portable Logging Demonstration Timber Bridge, Michigan**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1998 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The type is a stress-laminated sawn lumber portable bridge. Wood species is red pine. Preservative treatment is chromated copper arsenate.

Section 15 — Demonstration Project Factsheets *cont.*

Library ID: 15-0014

Title: **Huntsman Road Timber Bridge, Richland County, Ohio**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1998 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The type is a stress-laminated sawn lumber bridge. Wood species is southern pine. Preservative treatment is alkaline copper quat.

Library ID: 15-0015

Title: **Meigsdale Township 150 Timber Bridge, Morgan County, Ohio**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1998 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The type is a box culvert. This factsheet provides information on a demonstration timber bridge project. Wood species is southern pine. Preservative treatment is chromated copper arsenate.

Library ID: 15-0016

Title: **Local Timber Bridge No. 1-5, Allegany County, New York**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1998 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The type consists of steel stringers supporting a transverse glued-laminated deck. Wood species are beech and hickory. Preservative treatment is pentachlorophenol.

Library ID: 15-0017

Title: **Local Timber Bridge No. 5-1, Allegany County, New York**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1998 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The type consists of steel stringers with a stress-laminated sawn lumber deck. Wood species is beech and hickory. Preservative treatment is pentachlorophenol.

Library ID: 15-0018

Title: **Local Timber Bridge No. 25-8, Allegany County, New York**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1998 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The type is consists of bolted n-frame units. Wood species include mixed hardwoods including red maple, hickory, and beech. Preservative treatment is pentachlorophenol.

Section 15 — Demonstration Project Factsheets *cont.*

Library ID: 15-0019

Title: **Nelson Slough Timber Bridge, Skagway, Alaska**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1999 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The type is a stress-laminated sawn lumber bridge. Wood species is Alaska yellow-cedar. No preservative treatment is required for Alaska yellow-cedar.

Library ID: 15-0020

Title: **East Fork Rosebud Creek Timber Bridge, Carbon County, Montana**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1999 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The type glued-laminated timber stringers supporting a transverse glued-laminated decks. Wood species is Douglas-fir. Preservative treatment is creosote.

Library ID: 15-0021

Title: **Timber Bridge No. 1, Coshocton County, Ohio**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1999 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The type is a stress-laminated sawn lumber bridge. Wood species is southern pine. Preservative treatment is creosote.

Library ID: 15-0022

Title: **Oak Drive Timber Bridge, Stark County, Ohio**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1999 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The type is a stress-laminated t-beam with southern pine glulam beams and sawn northern red oak flange. Wood specie are southern pine and northern red oak. Preservative treatment is creosote.

Library ID: 15-0023

Title: **Kepler-Bradley Lakes Timber Bridge, Matanuska-Susitna Borough, Alaska**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1999 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The type is a stress-laminated sawn lumber bridge. Wood species is Alaska white spruce. Preservative treatment is copper sulfate and sodium fluoride using double diffusion treatment process.

Section 15 — Demonstration Project Factsheets *cont.*

Library ID: 15-0024

Title: **Little Bitterroot River Timber Bridge, Sanders County, Montana**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1999 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The type is a stress-laminated sawn lumber bridge. Wood species is Coast Douglas-fir. Preservative treatment is copper naphthenate (2% copper).

Library ID: 15-0025

Title: **Lynn Run Trail Bridge #1, Westmoreland County, Pennsylvania**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1999 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The type is a king post truss design. Wood species is hemlock. Preservative treatment is chromated copper arsenate.

Library ID: 15-0026

Title: **Lynn Run Trail Bridge #2, Westmoreland County, Pennsylvania**

Author: NWITIC and Partners

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1999 Number of Pages: 2

Abstract: This factsheet provides information on a demonstration timber bridge project. The type is a king post truss design. Wood species is hemlock. Preservative treatment is chromated copper arsenate.

Section 97 — Videos

Library ID: 97-0014

Title: **Modern Timber Bridges: An Attractive Option**

Author: Alabama Forestry Commission in cooperation with the USDA Forest Service

Publisher: Alabama Forestry Commission

Year Published: Number of Minutes: 16

Abstract: This video looks at modern timber bridges as an attractive option. It includes statistics on structurally deficient bridges, reasons for choosing modern timber bridges, design standards, components of the bridges, and gives definitions of glued-laminated (glulam) and stressed-laminated bridges. There is also construction of a glulam bridge and a discussion on the advantage of the modern timber bridge.

Library ID: 97-0026

Title: **Prefabricated Timber Bridge Deck Panels**

Author: John Smolen

Publisher: USDA Forest Service, NA-S&PF

Year Published: 1998 Number of Minutes: 11

Abstract: This video illustrates a relatively low cost method for fabrication of timber decks over steel girders using methods developed by John Smolen, County Engineer for Ashtabula County, Ohio.

Additional Sources of Information

American Association of State Highway and Transportation Officials (AASHTO)

AASHTO List of Publications.

Contact: American Association of State Highway & Transportation Officials
444 N. Capitol St. N.W., Suite 249
Washington, DC 20001
Telephone: (202) 624-5800
FAX: (202) 624-5806

American Forest and Paper Association

National Design Specifications for Wood Construction.

Structural Lumber/Glued-Laminated Timber/Timber Piles/Connections.

Contact: American Forest and Paper Association
1111 19th Street, N.W., Suite 800
Washington, DC 20036
Telephone: (202) 463-2766
FAX: (202) 463-2791

American Institute of Timber Construction (AITC)

Standard Specifications for Structural Glued Laminated Timber

American National Standard for Wood Products – Structural Glued Laminated Timber

Contact: American Institute of Timber Construction
7012 S. Revere Parkway, Suite 140
Englewood, CO 80112
Telephone: (303) 792-9559
FAX: (303) 792-0669

American Plywood Association – The Engineered Wood Association

Glued Laminated Beam Design Tables - Data Files

Glulam Connection Details

Preservative Treatment of Glued Laminated Timber

Substitution of Glulam Beams for Steel or Solid-Sawn Lumber – Data File

Contact: American Plywood Association – The Engineered Wood Association
7011 South 19th Street
P.O. Box 11700
Tacoma, WA 98411-0700
Telephone: (206) 565-6600
FAX: (206) 565-7265

American Wood Preservers Institute

Answers to Often-Asked Questions about Treated Wood

Contact: American Wood Preservers Institute
2750 Prosperity Avenue, Suite 550
Fairfax, VA 22031-4312
Telephone: (703) 204-0500
FAX: (703) 204-4610

Additional Sources of Information *continued*

American Wood-Preservers' Association

American Wood-Preservers' Association Standards

Contact: American Wood-Preservers' Association
P.O. Box 3246
Fall Creek Highway, Suite 190
Granbury, TX 76049-7979
Telephone: (817) 326-6300
FAX: (817) 326-6306

Asphalt Institute

Asphalt in Pavement Maintenance.

Asphalt Overlays for Highway and Street Rehabilitation – Manual Series No. 17.

Contact: Asphalt Institute, Inc.
P.O. Box 14052
Lexington, KY 40512-4052
Telephone: (606) 288-4960
FAX: (606) 288-4999

Federal Highway Administration

A Guide to Federal-Aid Programs, Projects, and Other Uses of Highway Funds. Publication No. FWHA-PD-92-018.

Contact: Federal Highway Administration
Office of Engineering, HNG-10
400 7th Street, S.W., Room 3134
Washington, DC 20590
Telephone: (202) 366-0450
FAX: (202) 366-3988

National Timber Piling Council, Inc.

Technical Guidelines for Construction with Treated Round Timber Piling

Contact: National Timber Piling Council, Inc.
446 Park Avenue
Rye, NY 10580
Telephone: (914) 835-0006
FAX: (914) 835-0007

Pennsylvania Department of Transportation

Standards for Hardwood Glulam Timber Bridge Design. Series BLC-560, Hardwood Glulam Timber Spans 18 Ft.–90 Ft.

Contact: Pennsylvania Department of Transportation
Publication Sales Store, Room G127
Transportation and Safety Building
Harrisburg, PA 17120
Telephone: (717) 787-6746
FAX: (717) 787-8779

Transportation Research Board / National Research Council

Contact: Transportation Research Board / National Research Council
2101 Constitution Avenue, N.W.
Washington, DC 20418
Telephone: (202) 334-2933
FAX: (202) 334-2003

Additional Sources of Information *continued*

USDA Forest Service, Missoula Technology and Development Center

Lead-Based Paint: Abatement Alternative for Bridges

Contact: USDA Forest Service, Missoula Technology and Development Center
Building 1, Fort Missoula
Missoula, MT 59804
Telephone: (406) 329-3900
FAX: (406) 329-3719
Internet: <http://fsweb.mtdc.wo.fs.fed.us>

USDA Forest Service, San Dimas Technology and Development Center

Bridge Scour Evaluation: Screening, Analysis, and Countermeasures

Contact: USDA Forest Service, San Dimas Technology and Development Center
444 E. Bonita Avenue
San Dimas, CA 91773
Telephone: (909) 599-1267
FAX: (909) 592-2309
Internet: <http://fsweb.sdtdc.wo.fs.fed.us>

Western Wood Preservers Institute/Canadian Institute of Treated Wood

Best Management Practices for the Use of Treated Wood in Aquatic Environments.

Contact: Western Wood Preservers Institute
7017 N.E. Highway 99, Suite 108
Vancouver, WA 98665
Telephone: (360) 693-9958 or (800) 729-WOOD
FAX: (360) 693-9967
E-mail: wwpi@teleport.com
or
Canadian Institute of Treated Wood
200-2430 Don Reid Drive
Ottawa, ON K1H 8P5
Canada
Telephone: (613) 737-4337
FAX: (613) 247-0540

PUBLICATIONS REQUEST FORM 10/99

01 – Wood In Transportation Program Information

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02 – Designs and Bridge Plans

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03 – Inspection

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04 – Maintenance and Rehabilitation

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05 – Preservative Treatment

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06 – Monitoring and Performance

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07 – Materials

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08 – Contacts

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09 – Markets

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10 – Cost Information

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11 – General Information

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12 – Surfacing

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15 – Demonstration Project Fact Sheets

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97 – Videos

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